



June 12, 2024

To: Mayor Green & Town Council  
Town of Alpine  
Po Box 3070  
250 Beaver Circle  
Alpine, WY 83128

Re: Process Piping System Installation Proposal  
Alpine Wastewater Pretreatment Plant  
281 Buffalo Drive  
Alpine, WY 83128  
JA Project No. 23001

Mayor Green and Town Council,

The Wastewater Pretreatment Plant that will serve Melvin Brewery's wastewater effluent needs the process system installed. The process system includes; electrical, mechanical and building construction trade work (see attached scope of work). On Jan. 3 and Jan 10, 2024, the Town advertised for prequalification's to bid the process piping system installation. On Jan. 3, 2024 Jorgensen called and left messages with three different construction companies looking for interest in the project. One day before the prequalification bids were due one contractor, Prospect Construction from Montana, called and requested information. Jorgensen sent the bid information, drawings, pictures and called the contractor. The contractor never called back. Precision Electrical is the electrical contractor for the construction of the pretreatment plant building and is under contract with our general contractor (JL Concrete and Construction). Precision Electrical worked with other sub-contractors and has provided an estimate to install the electrical and mechanical systems for the process piping systems. The cost of this process system proposal is \$508,000 (see attached estimate for reference). Precision Electrical has worked on similar wastewater and industrial facilities (see attached project list). JVA Consulting and Jorgensen have reviewed the estimate and feel it is a complete scope of work. It is our recommendation that the Town Council give the Mayor authority to sign the estimate. If the Council approves this estimate Precision will get a 125% performance bond for the scope of work to insure completion. Precision has stated the scope of work will take about 4-months to complete starting when the estimate is approved. Please feel free to contact me if you have any questions or concerns.

Thank you for your consideration,

Kevin Meagher  
Sr. Construction Project Manager

Precision Electrical Services  
 3966 E 146 N  
 Rigby, ID 83442 US  
 info@pes-electric.com  
 www.pes-electric.com

# Estimate



**Precision Electrical Services LLC**  
 Residential • Commercial • Industrial

ADDRESS
Kevin Meagher

ESTIMATE #	DATE	EXPIRATION DATE
1736	06/11/2024	06/25/2024

DESCRIPTION	QTY	RATE	AMOUNT
- Frame and Finish Solid waste screen room (Class 1 Div2) * Install electrical control panel and electrical lighting * Provide hot water spicket for maintenance	1	15,000.00	15,000.00
- Set Screen Press equipment in room	1	10,000.00	10,000.00
- Provide process plumbing and water lines for Screen press	1	35,000.00	35,000.00
- Install electrical control panel for Screen press * Includes lighting and wiring	1	35,000.00	35,000.00
- Install instrumentation on process plumbing and tie in electrical to panel from devices	1	12,500.00	12,500.00
- Provide and install Gas monitoring system	1	14,000.00	14,000.00
- Install Intake prescreen	1	3,500.00	3,500.00
- Install electrical control panel for Intake screen, install and terminate instrumentation	1	15,000.00	15,000.00
- Install air lines for valves on Intake Screen equipment	1	10,000.00	10,000.00
- Install process piping for Intake Screen equipment * Includes NPW to the screen	1	30,000.00	30,000.00
- Install concrete pad for Flocculation Reaction Tank	1	5,000.00	5,000.00
- Set Flocculation Reaction Tank	1	5,000.00	5,000.00

Precision Electrical Services looks to exceed your expectations in earning your business!

DESCRIPTION	QTY	RATE	AMOUNT
- Process plumbing tie-ins for Flocculation Reaction Tank to Screw Press * Includes dewatering polymer feed system and piping	1	14,000.00	14,000.00
- Install submersible pumps panel * Includes wiring/conduit from electrical distribution panel	1	12,000.00	12,000.00
- Install and tie-ins for submersible pumps to include instrumentation * Includes guide rails and mounting supports for pumps	1	12,500.00	12,500.00
- Install and tie-ins for submersible mixer panel to include instrumentation * Includes guide rails and mounting supports for mixers	1	12,250.00	12,250.00
- Install 90Q positive displacement blower panel and provide field instrumentation and air tie-ins	1	14,000.00	14,000.00
- Install Blower panel and provide equipment, instrumentation	1	100,000.00	100,000.00
- Install MBR electrical and instrumentation tie-ins	1	21,000.00	21,000.00
- Install raceway and electrical wiring for MBR skid motors	1	12,250.00	12,250.00
- Install Compressor, compressor panel, electrical, instrumentation and air tie-ins	1	100,000.00	100,000.00
125% BID BOND	1	20,000.00	20,000.00
EXCLUDES			
- Any changes/revisions to the plans past the following dates:			
- CAMBRIGE 5/20/2023			
- RENDEZUOUS 1/11/2024			
- JUA 4/11/2024			
- KVA 4/11/2024			

This is an official bid for work described herein.

1. Scope of Work. PES shall furnish all labor, materials, equipment, services, and documentation required to fully perform the work as described in this estimate, and retain ownership of said items until paid in full. PES shall perform the work in accordance with all applicable local, state, and national building codes, electrical codes, and safety regulations and standards.

2. Payment Terms.

(a) NET30: Client shall pay PES within 30 calendar days of receiving an Application for Payment from PES.

(b) If payment is not made within 35 calendar days of receiving the Application for Payment, a late fee of 6% shall be applied to the outstanding balance owed to PES.

(h) Additional late fees of 6% of any remaining outstanding balance, including accrued late fees, shall be charged every 30 calendar days that the outstanding balance remains unpaid. Late fees shall compound until the outstanding balance is paid in full.

SUBTOTAL	508,000.00
TAX	0.00
<b>TOTAL</b>	<b>\$508,000.00</b>

Accepted By

Accepted Date

## Scope of work for Alpine WWTP pretreatment and Sludge equipment installation

### Plumbing Scope of work-

#### Potable Water piping

- Provide and install 1 ¼" PVC from Solids Roll-off bin to Polymer Dosing & pump Station
- Provide and install 1 ½" PVC from Polymer Dosing & pump station to fine screens room.
- Provide and install 1" PVC from riser to CIP Tank on Membrane Filtration Tank equipment skid

#### Instrument Air Piping

- Provide and install ½" Copper from Solids Roll-off Bin to AntiFoam Pump
- Provide and install 1" Copper from Air Compressor to Anitfoam pump location
- Provide and install 4" SS on Process aeration Blower Exhaust Fan

#### Antifoam, Acid and Base Piping

- Provide and install ½" CPVC from MFT skid to Antifoam pump
- Provide and install ½" CPVC from Base Dosing Pump, Acid Dosing pump to Strainer

#### WasteWater Piping

- Provide and install 3" PVC on CIP Tank to Aeration Pump
- Provide and install 2" PVC in Fines Screen room to Equalizatoin Tank, Tie-in to Strainter to Process Aeration Blower Exhaust Fan
- Provide and install 2" PVC From Solids Roll-off bin to Flocculatoin Reactoin Tank

#### Waste Activated Sludge Piping

- MFT skid tie- ins with 2" and 1 ½" PVC SCH 80 to underground piping

#### Sludge pump tie-ins

- 2" CPVC sludge pump tie into existing building

### Electrical Scope-

#### -Provide and Set RIO Control Panel

- Provide and install ¾" Rigid conduit and conductors for INF. Transfer pressure
- Provide and install ¾" Rigid Conduit and conductors for INF Transfer PH
- Provide and install ¾" Rigid Conduit and conductors for INF. Transfer Temperature
- Provide and install ¾" Rigid Conduit and conductors for Post chemical injection flow
- Provide and install ¾" Rigid Conduit and conductors for post chemical injection temp/PH
- Provide and install ¾" Rigid Conduit and conductors for Blower air Pressure
- Provide and install ¾" Rigid Conduit and conductors for blower air flow
- Provide and install ¾" Rigid Conduit and conductors for Aeration Tank levels
- Provide and install ¾" Rigid Conduit and conductors for Aeration Tank Dissolved Oxygen & temperature.
- Provide and install ¾" Rigid Conduit and conductors for EQ tank Levels
- Provide and install ¾" Rigid Conduit and conductors for Influent Flow
- Provide and install ¾" Rigid Conduit and conductors for Anti-Foam Control Valve

- Provide and install 3/4" Rigid Conduit and conductors for INF. Transfer Pump #1
- Provide and install 3/4" Rigid Conduit and conductors for INF. Transfer Pump #2
- Provide and install 3/4" Rigid Conduit and conductors for Fine Screen Room Exhaust Fan
- Install Fine Screen control Panel
  - Provide and install 3/4" Rigid conduit and conductors for Solenoid Valve 1 Screen Wash
  - Provide and Install 3/4" Rigid conduit and conductors for Overflow Probe
  - Provide and install 3/4" Rigid conduit and conductors for MBR MCP
- Provide and install Gas monitoring system
  - Provide and install 3/4" rigid conduit and conductors for EQ/AT RIO Panel
- Screw Press control Panel
  - Provide and install 3/4" Rigid conduit and conductors for Screw Press wash ring forward Control Valve
    - Provide and install 3/4" rigid conduit and conductors for screw press cone pressurize control valve
    - Provide and install 3/4" rigid conduit and conductors for polymer wash water on control valve
    - Provide and install 3/4" Rigid conduit and conductors for Screw Press wash water control valve #1
    - Provide and install 3/4" Rigid conduit and conductors for screw press wash water control Valve #2
    - Provide and install 3/4" rigid conduit and conductors for Floc Tank pressure
    - Provide and install 3/4" rigid conduit and conductors for Primary dilution flow meter
    - Provide and install 3/4" rigid conduit and conductors for post dilution flow meter
    - Provide and install 3/4" rigid conduit and conductors for Primary makedown water flow controller
    - Provide and install 3/4" rigid conduit and conductors for post dilution water flow controller
- MBR MCP cabinet
  - Provide and install 1" rigid conduit and CAT6 to FSP602
  - Provide and install 1" rigid conduit for 6 motor disconnects back to MDP 60'
- Install IDF cabinet for Fiber and terminate
- Mechanical equipment HVAC systems
  - Provide and install conduit and for 3 duct heater location and dampner tie-ins to central control to maintain positive pressure with accordance with mechanical engineering.

## Precision Electrical's industrial wastewater experience;

**From:** Val Islas <val@pes-electric.com>  
**Sent:** Wednesday, June 12, 2024 10:00 AM  
**To:** Kevin Meagher <kmeagher@jorgeng.com>  
**Cc:** Joe Wilson <joe@pes-electric.com>; Darren Carlton <darren@pes-electric.com>  
**Subject:** Re: Estimate 1736 from Precision Electrical Services

Kevin,

Joe's Experience on waste water treatment plants stem from Burly WWTP, Jackson WWTP, Amalgamated Sugar, and Alpine. My experience stem from Windsor WWTP, Tallgrass WWTP and Frac Filtration plants(built 6 of these facilities in CO and Wy) Windsor Water tower, HEB Facility Lift station.

Val Islas  
Operations Manager  
Proudly Serving Idaho, Montana, Utah, and Wyoming!  
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